	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	
--	--	--

EX

NN NN NN NN NN NN NNN NNNN NN NN NN

FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	RRRRRRRR RRRRRRRR RR RR RR RR RR RR RRRRRR	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP		NN NN NN NN NN NN NN NN NN NN
	\$			

EDTS VO4-

16-Sep-1984 02:13:03 14-Sep-1984 12:25:42 VAX-11 Bliss-32 V4.0-742 Page 1 DISK\$VMSMASTER:[EDT.SRC]WFREPLIN.BLI;1 (1) XTITLE 'EDT\$WFREPLIN - replace the current line'
! Replace the current line
! File: WFREPLIN.BLI Edit: JBS1008 BEGIN COPYRIGHT (c) 1978, 1980, 1982, 1984 BY DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. ALL RIGHTS RESERVED. THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY TRANSFERRED. CORPORATION.

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FACILITY: EDT -- The DEC Standard Editor

ABSTRACT:

Replace the current line with a specified line.

ENVIRONMENT: Runs at any access mode - AST reentrant

AUTHOR: Bob Kushlis, CREATION DATE: October 16, 1978

MODIFIED BY:

1-001 - Original. DJS 23-Feb-1981. This module was created by extracting routine EDT\$\$RPL LN from module EDTWF.

1-002 - Regularize headers. JBS 79-Mar-1981

1-003 - Change index for line numbers from 10 to 15. SMB 18-Jan-1982

1-004 - Remove original line numbers. SMB 28-Jan-1982

1-005 - Do most replaces without doing delete/insert, to improve performance, especially when updating the screen. JBS 04-Oct-1982

1-006 - Preserve EDT\$\$A\_SEL\_POS if we must delete and then insert. JBS 09-Nov-1982

1-007 - Don't disturb the screen data base if we must delete and then insert. JBS 01-Dec-1982

1-008 - No longer need to decrement EDT\$\$L\_WK\_INSCNT; now done by EDT\$\$DEL\_CURLN. JBS 01-Jun-1983

EDTSWFREPLIN V04-000	EDT\$WFREPLIN - replace the current line Declarations	N 13 16-Sep-1984 02:13:03 14-Sep-1984 12:25:42	VAX-11 Bliss-32 V4.0-742 Page 2 DISK\$VMSMASTER:[EDT.SRC]WFREPLIN.BLI;1 (2)
58 59 661 663 665 667 667 667 77 77 77 77 77 77 77 77 77	0057   XSBTTL 'Declarations' 0058   1		

EDT VO4

```
EDTSWFREPLIN
VO4-000
                             EDT$WFREPLIN - replace the current line EDT$$RPL_LN - replace the current line
                                                                                                                  16-Sep-1984 02:13:03
14-Sep-1984 12:25:42
                                                                                                                                                             VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER: [EDT. SRC] WFREPLIN.BLI; 1
     *SBTTL 'EDT$$RPL_LN - replace the current line'
                                                                                                                                   Replace the current line
Address of the new line
Length of the new line
                                           GLOBAL ROUTINE EDTSSRPL_LN (
                                                  NEWLINE,
                                                  LEN ) : NOVALUE =
                                              FUNCTIONAL DESCRIPTION:
                                                         Replace the current line. If the replacement line is the same size as the current line, just copy the new one in its place, otherwise, delete the current line and insert the new one.
                                              FORMAL PARAMETERS:
                                                NEWLINE
                                                                                      a pointer to the new line
                                                LEN
                                                                                      its length
                                              IMPLICIT INPUTS:
                                                        EDT$$A_WK_LN
EDT$$G_WK_MODFD
EDT$$L_LNOO
EDT$$A_CUR_BUF
EDT$$A_WK_BUK
                                              IMPLICIT OUTPUTS:
                                                        EDT$$A_WK_LN
EDT$$A_CUR_BUF
EDT$$A_WK_BUK
EDT$$L_WK_INSCNT
                                              ROUTINE VALUE:
                                                         NONE
                                              SIDE EFFECTS:
                                                         NONE
                                                  BEGIN
                                                  EXTERNAL ROUTINE
                                                        EDT$$DEL_CURLN : NOVALUE,
EDT$$INS_LN : NOVALUE,
EDT$$RD_PRVLN;
                                                 EXTERNAL
EDT$$A_WK_LN : REF LIN_BLOCK,
EDT$$G_WK_MODFD,
EDT$$L_LNDO : LNOVECTOR [14],
EDT$$A_CUR_BUF : REF TBCB_BLOCK,
                                                                                                                                   Pointer to current line
flag indicating bucket was modified
48-bit line numbers
                                                                                                                                   Current text buffer control block
```

EDT VO4

SRELLMC

```
16-Sep-1984 02:13:03
14-Sep-1984 12:25:42
                                                                                                                                                                                                                                                            VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[EDT.SRC]WFREPLIN.BLI;1
EDT$WFREPLIN
                                              EDTSWFREPLIN - replace the current line
V04-000
                                              EDTSSRPL_LN - replace the current line
                                                                                           EDT$$A_WK_BUK : REF BLOCK [WF_BUKT_SIZE, BYTE] FIELD (WFB_FIELDS), EDT$$A_SEL_POS, Select position in a don't touch the screen than the screen tended by the
        1490
151
153
155
155
155
156
166
167
177
177
177
177
177
177
                                                                                                                                                                                                                   Select position
1 = don't touch the screen data base
                                                                                                                                                                                                               ! Number of records inserted during this insert sequence
                                                                               LOCAL
                                                                                           SAVE_LIN : LN_BLOCK,
SAVE_SELPOS,
SIZE,
OLD_LEN,
SOURCE,
                                                                                                                                                                                                              ! Length of the old line
                                                                                            REMAINING
                                                                                            SAVE_REBUILD;
                                                                           Check for a replacement which does not change the length of the
                                                                          line, and leave the work-file block structure unaltered. This is not done only for speed; EDT will break if it is removed.
                                                                                OLD_LEN = .EDT$$A_WK_LN [LIN_LENGTH];
                                                                                 IF (.OLD_LEN EQL .LEN)
                                                                                THEN
                                                                                           BEGIN
                                                                                           EDTSSCPY MEM (.LEN, .NEWLINE, EDTSSA_WK_LN [LIN_TEXT]);
EDTSSG_WR_MODFD = 1;
RETURN;
                                             0745
0746
0746
0746
0753
0753
0755
0755
0766
0766
0766
0768
0768
                                                                                            END:
        176
177
178
179
                                                                          Check for a replacement which neither empties the block nor causes it
                                                                          to overflow. Do such a replacement directly in the block, without
        calling the more general routines which delete and insert lines.
                                                                               IF (((.EDT$$A_WK_BUK [WFB_END] - .OLD_LEN + .LEN) LSS WF_BUKT_SIZE) AND (.EDT$$A_CUR_BUF [TBCB_LINE_ADDR] NEQ .EDT$$A_WK_BUK_[WFB_END]) AND (.EDT$$A_CUR_BUF [TBCB_LINE_ADDR] NEQ WFB_FIXED_SIZE))
                                                                                THEN
                                                                                           BEGIN
                                                                         Update the character count for this buffer.
                                                                                           EDT$$A_CUR_BUF [TBCB_CHAR_COUNT] = .EDT$$A_CUR_BUF [TBCB_CHAR_COUNT] - .OLD_LEN + .LEN;
                                                                          Make room in the block for the line. This may require either increasing or decreasing
                                                                         the amount of space now available.
                                                                                           SIZE = .OLD_LEN + LIN_FIXED_SIZE + 1;

SOURCE = CH$PLUS (.EDT$$A WK_LN, .SIZE);

REMAINING = .EDT$$A WK_BUK [QFB_END] - .EDT$$A CUR_BUF [TBCB_LINE_ADDR] - .SIZE;

EDT$$A_WK_BUK [WFB_END] = .EDT$$A_WK_BUK [WFB_END] - .OLD_LEN + .CEN;
                                                                                            IF (.REMAINING NEQ 0)
                                                                                            THEN
                                                                                                       EDTSSCPY_MEM (.REMAINING, .SOURCE, .EDTSSA_WK_LN + .LEN + LIN_FIXED_SIZE + 1);
```

\*\*F

```
EDT$WFREPLIN - replace the current line EDT$$RPL_LN - replace the current line
                                                                                                                                              16-Sep-1984 02:13:03
14-Sep-1984 12:25:42
                                                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER: [EDT.SRC] WFREPLIN.BLI; 1
EDTSWFREPLIN
V04-000
                                                                      EDTSSA_WK_LN [LIN_LENGTH] = .LEN;
CHSWCHAR T.LEN, EDTSSCPY_MEM (.LEN, .NEWLINE, EDTSSA_WK_LN [LIN_TEXT]));
EDTSSG_WK_MODFD = 1;
RETURN;
     200789011234567890123456
200789011234567890123456
                                   0776
0777
0778
0779
                                                                       END:
                                   0780
                                  0782
0783
0784
0785
0786
0787
0788
0791
0792
0793
0796
                                                     ! This is a complex case. Delete the old line and insert the new one.
                                                             MOVELINE (EDT$$A_WK_LN [LIN_NUM], SAVE_LIN);

SAVE_SELPOS = .EDT$$A_SEL_POS;

SAVE_REBUILD = .EDT$$G_SCR_REBUILD;

EDT$$G_SCR_REBUILD = 1;

EDT$$DEL_CORLN ();

SUBLINE (NUMBER_ONE, EDT$$L_WK_INSCNT);

EDT$$INS_LN (.NEWLINE, .LEN);

EDT$$RD_PRVLN ();

EDT$$G_SCR_REBUILD = .SAVE_REBUILD;

EDT$$A_SEL_POS = .SAVE_SELPOS;

MOVELINE (SAVE_LIN, EDT$$A_WK_LN [LIN_NUM]);

RETURN;
                                                              RETURN:
                                                              END:
                                                                                                                                                               ! of routine EDT$$RPL_LN
                                                                                                                                                                    .TITLE EDT$WFREPLIN EDT$WFREPLIN - replace the current
                                                                                                                                                                                                                     line
                                                                                                                                                                    .IDENT \V04-000\
                                                                                                                                                                                    EDT$$DEL_CURLN, EDT$$INS_LN
EDT$$RD PRVLN, EDT$$A_WK_LN
EDT$$G_OK_MODFD
EDT$$L_LNOO, EDT$$A_CUR_BUF
EDT$$A_WK_BUK, EDT$$A_SEL_POS
EDT$$G_SCR_REBUILD
EDT$$L_WK_INSCNT
                                                                                                                                                                    .EXTRN
                                                                                                                                                                    .EXTRN
                                                                                                                                                                    .EXTRN
                                                                                                                                                                     .EXTRN
                                                                                                                                                                    .EXTRN
                                                                                                                                                                     .EXTRN
                                                                                                                                                                    .EXTRN
                                                                                                                                                                    .PSECT
                                                                                                                                                                                     _EDT$CODE,NOWRT, SHR, PIC,2
                                                                                                                                                                                    EDT$$RPL_LN, Save R2,R3,R4,R5,R6,R7,R8,R9,-
R10,R11
EDT$$G_SCR_REBUILD, R11
EDT$$A_CUR_BUF, R10
FIRST_WORD, R9
#8, SP
EDT$$A_WK_LN, R7
(R7), OLD_LEN
LEN, R8
OLD_LEN, R8
                                                                                                                          OFFC 00000
                                                                                                                                                                    .ENTRY
                                                                                                                                                                                                                                                                                           0663
                                                                                                                                    00002
00009
00010
00017
0001A
00021
00024
00028
0002B
0002D
00035
00035
00035
00041
00044
0004B
0004D
                                                                                            00000000G
                                                                                                                              9E 9E 20 A
                                                                                                                                                                    MOVAB
                                                                                                                     00
00
08
                                                                                                                                                                    MOVAB
                                                                                             0000000G
                                                                                                                                                                    MOVAB
                                                                                                                                                                    SUBL 2
                                                                                             0000000G
                                                                                                                                                                                                                                                                                            0737
                                                                                                                                                                    MOVL
                                                                                      56
58
58
                                                                                                                                                                    MOVZBL
                                                                                                          08
                                                                                                                              DO D1 12 28 11
                                                                                                                                                                                                                                                                                            0739
                                                                                                                                                                    MOVL
                                                                                                                                                                    CMPL
                                                                                                                                                                                     OLD_LEN, R8
                                                                                                                                                                    BNEQ
                                                                                                                                                                                     R8, aNEWLINE, 7(R7)
                                            07
                                                                                                                                                                    MOVC3
                                                                           04
                                                                                      BC
                                                                                                                                                                    BRB
                                                                                                                                                                                    EDT$$A WK BUK, R2
OLD_LEN, 4(R2), R3
R8, R3
R3, #512
                                                                                                                              00000
                                                                                             0000000G
                                                                                                                                                                    MOVL
                                                                                                                                                                    SUBL3
ADDL2
                                                       53
                                                                           04
                                                                                      8F
                                                                                                                                                                    CMPL
BGEQ
                                                              00000200
                                                                                                                                                                                                                                                                                           0754
                                                                                      50
                                                                                                                                                                    MOVL
                                                                                                                                                                                     EDT$$A_CUR_BUF, RO
```

VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[EDT.SRC]WFREPLIN.	Page 6 BLI;1 (3)
4(R2)	:
A_CUR_BUF, RO	0755
A CUR BUF, R1 EN, 30(R1), R0 0, 30(R1)	0761
R7, SOURCE 4(R2), R1	0766 0767 0768
R1 RÉMAINING (R2) NING	0769 0771
NING, (SOURCE), 8(R8)[R7] R7) NEWLINE, 7(R7) R3)	0773 0775 0776
CR7), SAVE_LIN  A_SEL_POS, SAVE_SELPOS  G_SCR_REBUILD, SAVE_REBUILD  DT\$\$G_SCR_REBUILD  DT\$\$DEL_CURLN  WORD, SAVE	0777 0776 0784 0785 0786 0787 0788 0788
WORD, SAVE	

0790

0792 0793

0794

0796

EDT VO4

			01	AO	0000000G	00 50 6E	000000006	53 00 06	DO DO 28	000DA 000E1 000E8 000ED
*	Routine	Size:	238 by	tes,	Routine	Bas	se: _EDT\$0	ODE	+ 00	000

EDTSWFREPLIN - replace the current line EDTSSRPL\_LN - replace the current line

16

04

04

04

00000000G

0000000G

00000000G

1E

54 51 50

6E

08 A847

AZ

50

A2 51 A2

50

ÕÕ

E 14 16-Sep-1984 02:13:03 14-Sep-1984 12:25:42

BEQL

CMPL BEQL

MOVL

SUBL 3

ADDL3

BAVOM

ADDL3

SUBL 3

MOVL TSTL BEQL

MOVC3

MOVC3 MOVB

MOVB

MOVL

MOVC3

MOVL MOVL MOVL

CALLS

MOVL

DECL

CMPL BLEQU

DECW

PUSHL PUSHL

CALLS

CALLS

MOVL

MOVL

MOVL

RET

MOVC3

RET

0006B 00073 00078 0007C 00080 00082 00084 0008A 0008A 00095 00095 0009E 0009E 000A3 000AA 000AD 000BO 000BO 000BO

000B7

000BA 000BC 000BF

000C1

00009

00000

000D7

000C4 5\$:

D1300130

DCC9CCDD12929D02DDDFD7

64664655A56555055550

000B10999998C20230

D1 1B B7 DD FB DD FB DO

08

0000000G

(RO), 4(R2)

EDT\$\$A\_CUR\_BUF, RO

EDT\$\$A CUR BUF, R1
OLD\_LEN, 30(R1), R0
R8, R0, 30(R1)
8(R6), SIZE
SIZE, R7, SOURCE
(R1), 4(R2), R1
SIZE, R1, REMAINING
R3, 4(R2)
REMAINING
2\$
REMAINING. (SOURCE)

#1, EDT\$\$G\_WK\_MODFD

NEXT\_WORD

REMAINING, (SOURCE), 8(R8)[R7] R8, (R7) R8, anewline, 7(R7) R8, (R3)

#6, 1(R7), SAVE\_LIN
EDT\$\$A\_SEL\_POS, SAVE\_SELPOS
EDT\$\$G\_SCR\_REBUILD, SAVE\_REBUILD
#1, EDT\$\$G\_SCR\_REBUILD
#0, EDT\$\$DEL\_CURLN
FIRST\_WORD, SAVE
FIRST\_WORD, SAVE
5\$
NEYT\_HORD

NEXT\_WURD
R8
NEWLINE
#2, EDT\$\$INS\_LN
#0, EDT\$\$RD\_PRVLN
SAVE\_REBUILD, EDT\$\$G\_SCR\_REBUILD
SAVE\_SELPOS, EDT\$\$A\_SEL\_POS
EDT\$\$A\_WK\_LN, RO
#6, SAVE\_CIN, 1(RO)

227 1 ! <BLF/PAGE>

EDTSWFREPLIN VO4-000

F 14 16-Sep-1984 02:13:03 14-Sep-1984 12:25:42 EDTSWFREPLIN VO4-000 EDT\$WFREPLIN - replace the current line EDT\$\$RPL\_LN - replace the current line VAX-11 Bliss-32 V4.0-742 Page 7
DISK\$VMSMASTER:[EDT.SRC]WFREPLIN.BLI;1 (4) 1 END ! of module EDTSWFREPLIN 0 ELUDOM

PSECT SUMMARY

Name

Bytes

Attributes

\_EDT\$CODE

238 NOVEC, NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC, ALIGN(2)

EDT VO4

Library Statistics

----- Symbols -----Pages Processing File Total Loaded Percent Mapped Time \$255\$DUA28:[EDT.SRC]EDT.L32:1 \$255\$DUA28:[EDT.SRC]PSECTS.L32:1 377 00:00.2

## COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/NOTRACEBACK/LIS=LIS\$: WFREPLIN/OBJ=OBJ\$: WFREPLIN MSRC\$: WFREPLIN.BLI/UPDATE=(ENH\$: WFREPLIN)

238 code + 0 data bytes 00:16.3 00:20.0 2955 Size: Run Time:

Elapsed Time: Lines/CPU Min:

; Lexemes/CPU-Min: 11904 ; Memory Used: 121 pages ; Compilation Complete

0141 AH-BT13A-SE

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